

FIG. 1

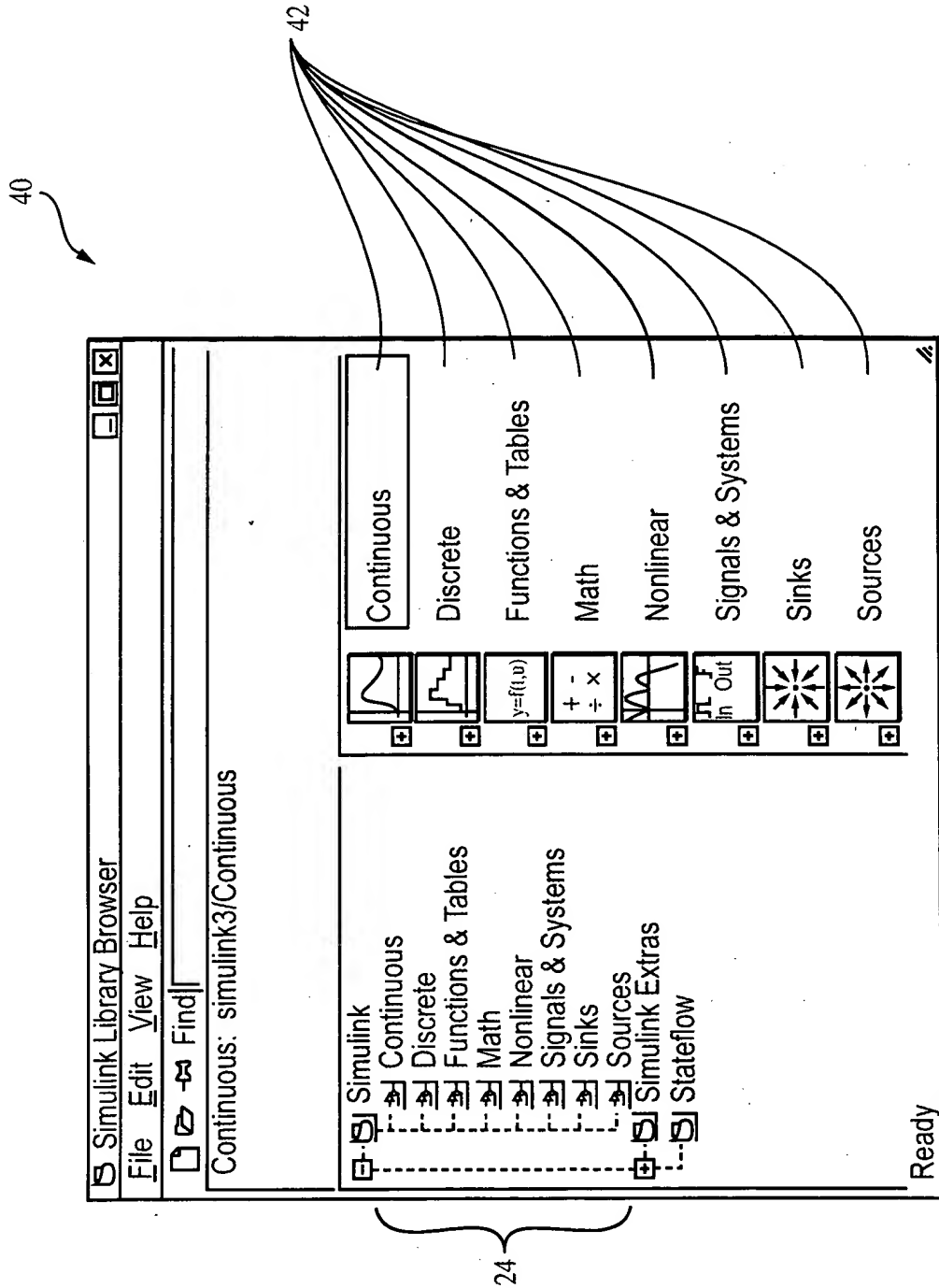
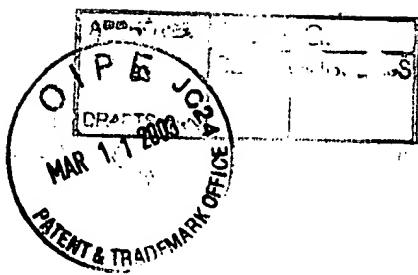


FIG. 2A



40

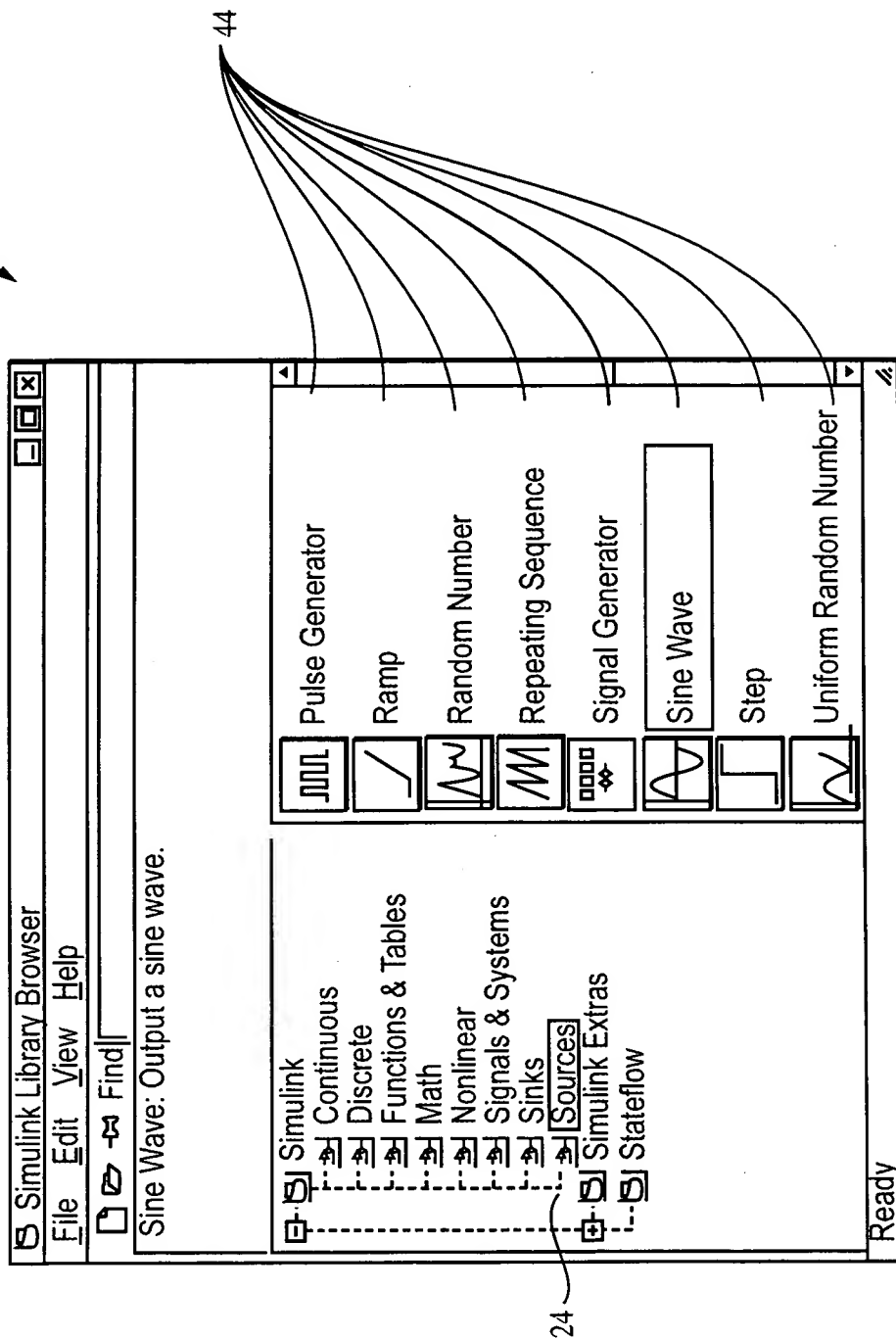
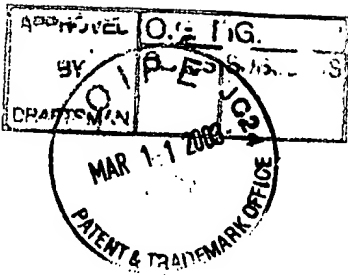
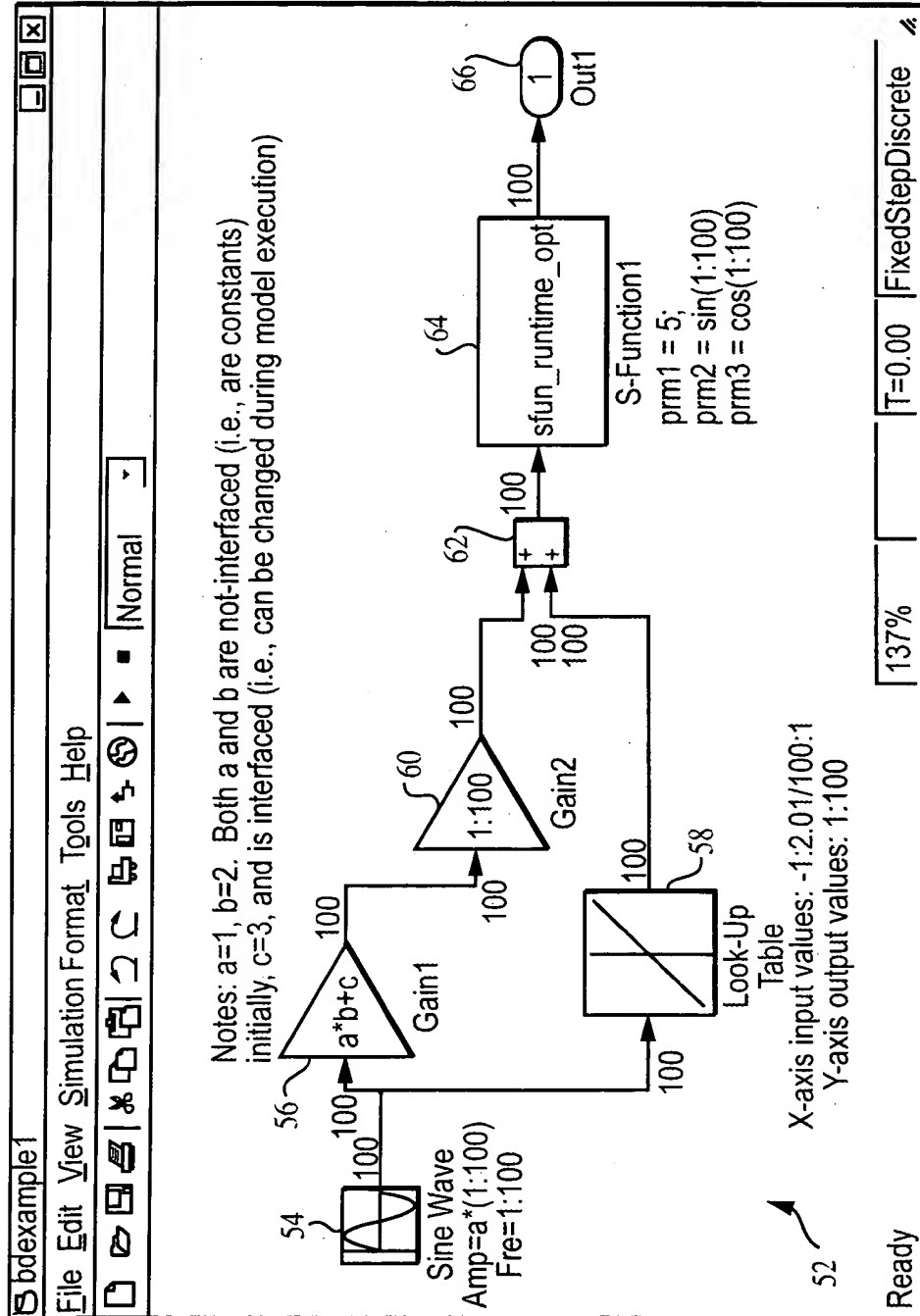


FIG. 2B

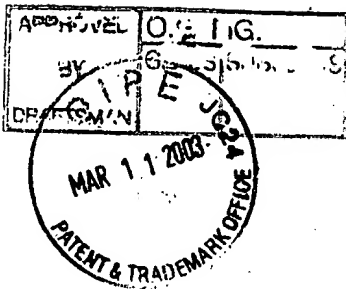


50



52

FIG. 3



70

Block Parameters: Gain ✕

Gain
Element-wise gain ($y = K * u$) or matrix gain ($y = K * u$ or $y = u * K$)

Parameters: Gain

72

Multiplication: 74

☒ Saturate on integer overflow

FIG. 4

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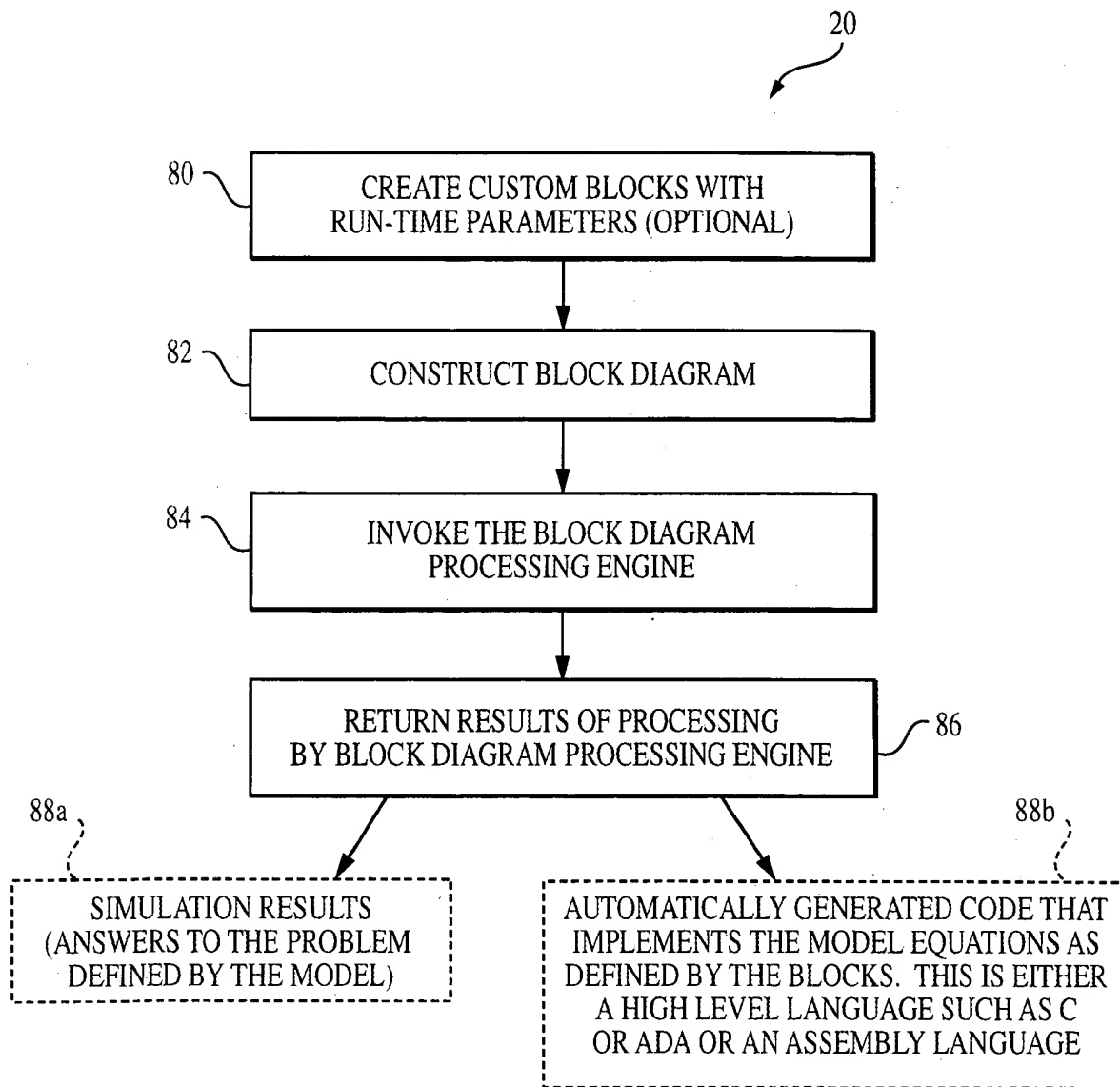


FIG. 5

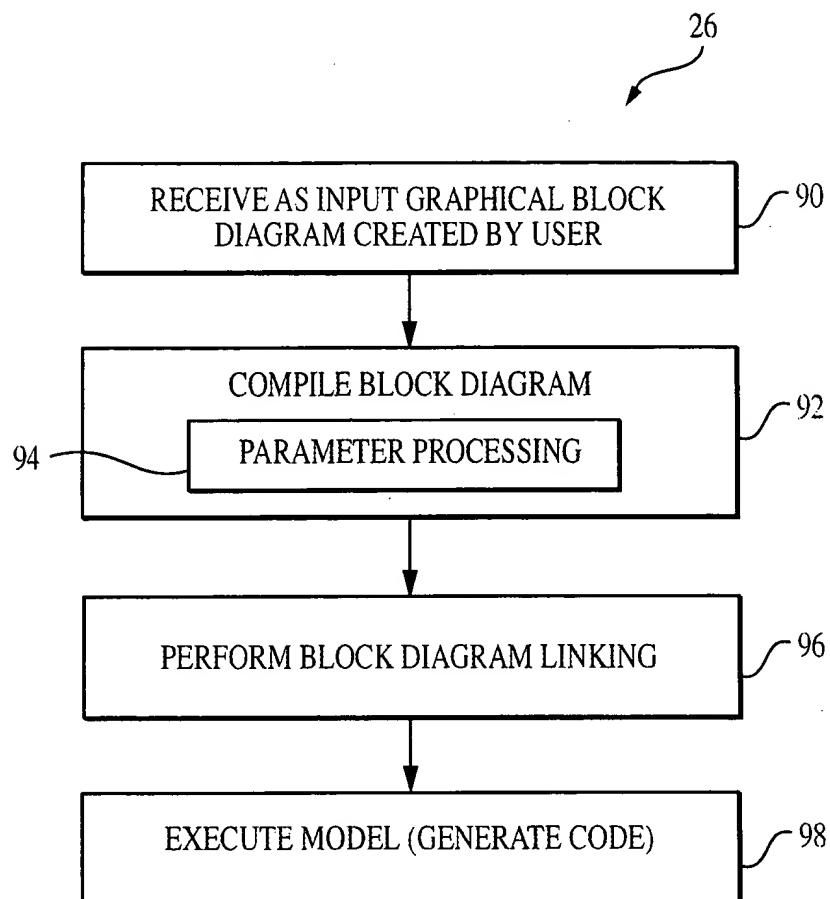
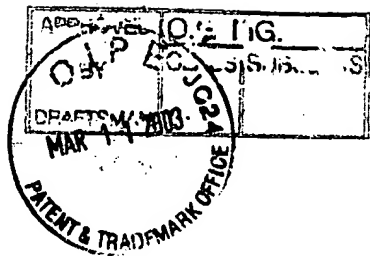


FIG. 6

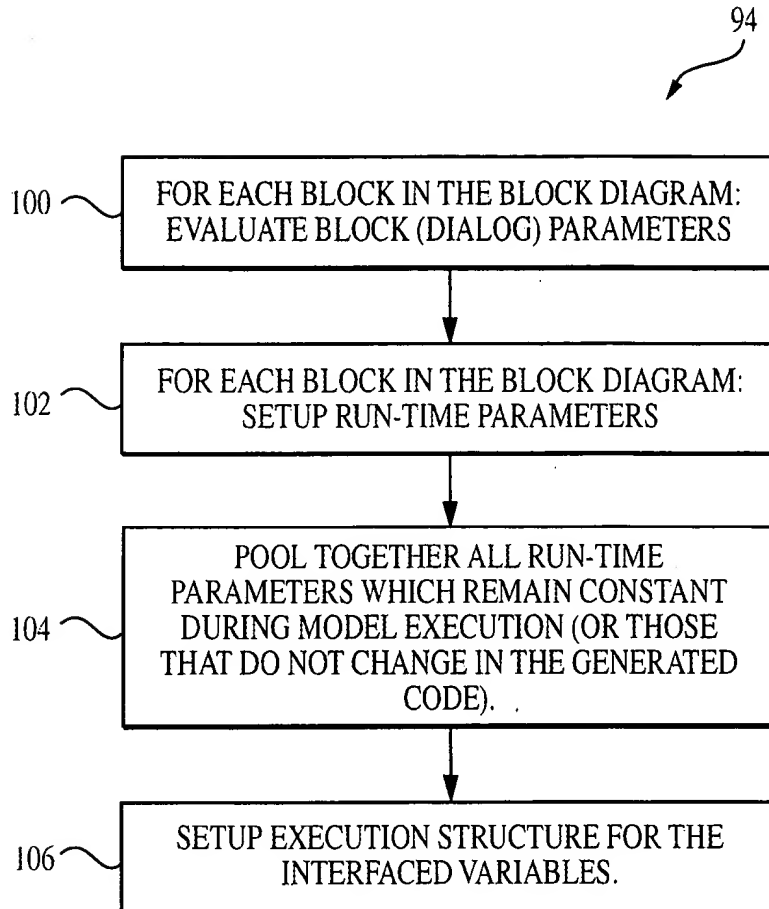


FIG. 7



110

```
Block {  
    EvalDialogParams(void) 112  
    SetupRuntimeParams(void) 114  
    InternalData: 116  
        AST[nParams]; 118  
        NumericDialogParamValues[nParams]; 120  
        RuntimeParams[nRunTimeParams]; 122  
    GetAstForDialogParam(int paramIndex)  
    SetAstForDialogParam(int paramIndex, ast)  
    GetNumericParamValues(int dialogParamIndex)  
    SetNumericParamValues(int dialogParamIndex, value)  
    GetNumRuntimeParams()  
    GetRuntimeParam(int runtimeParamIdx) 124  
    SetRuntimeParam(int runtimeParamIdx, value)  
}
```

FIG. 8

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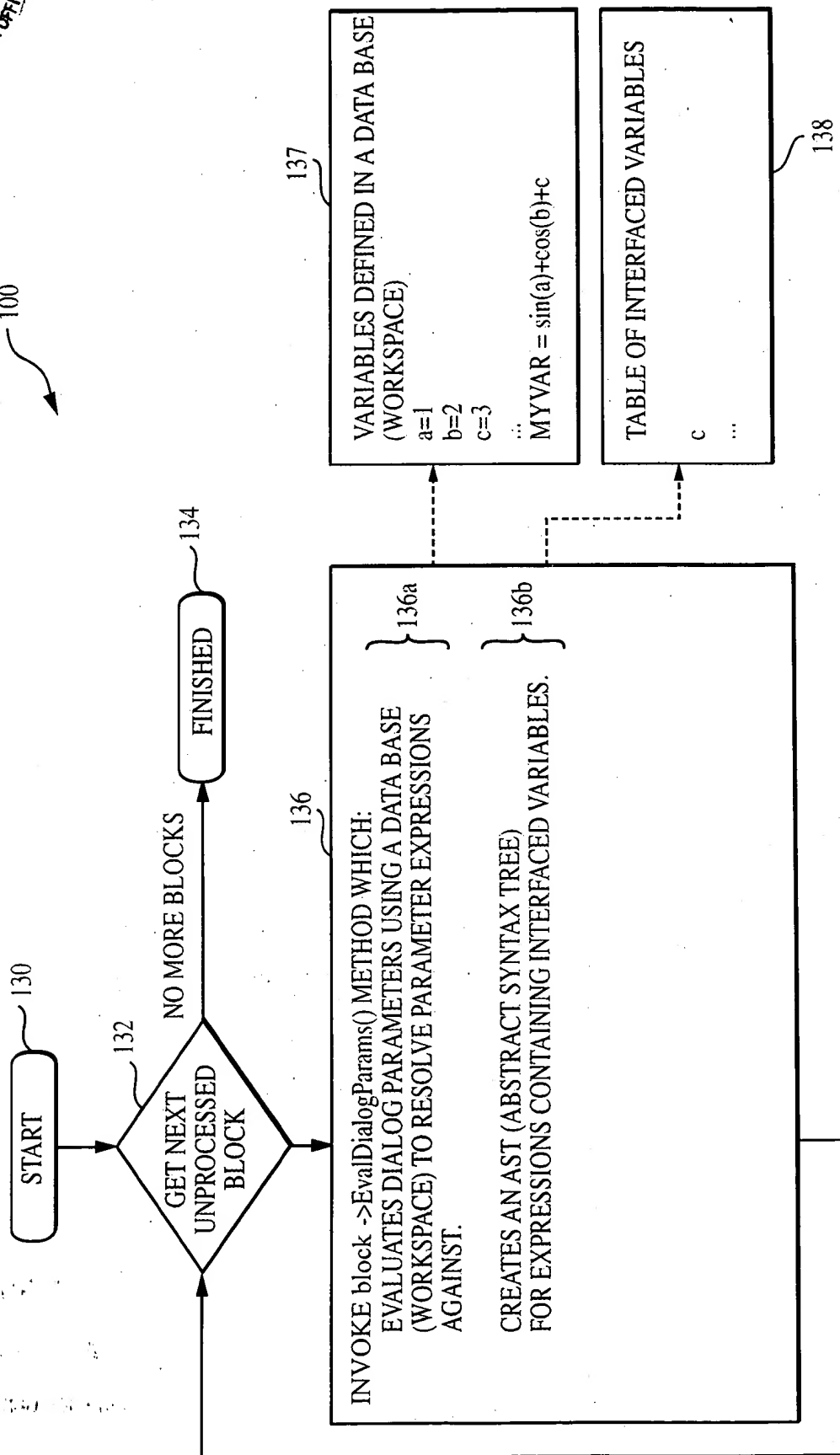


FIG. 9

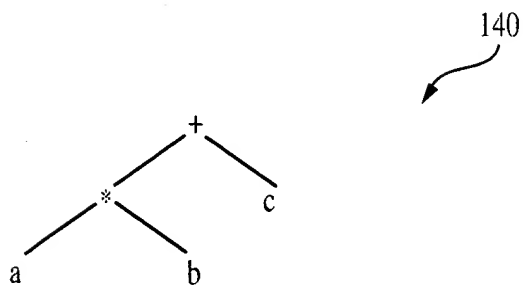
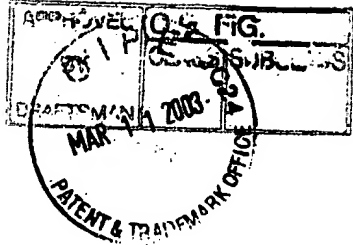


FIG. 10A

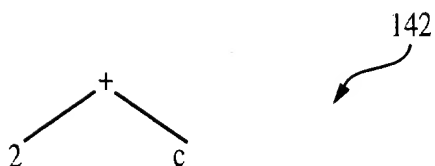


FIG. 10B

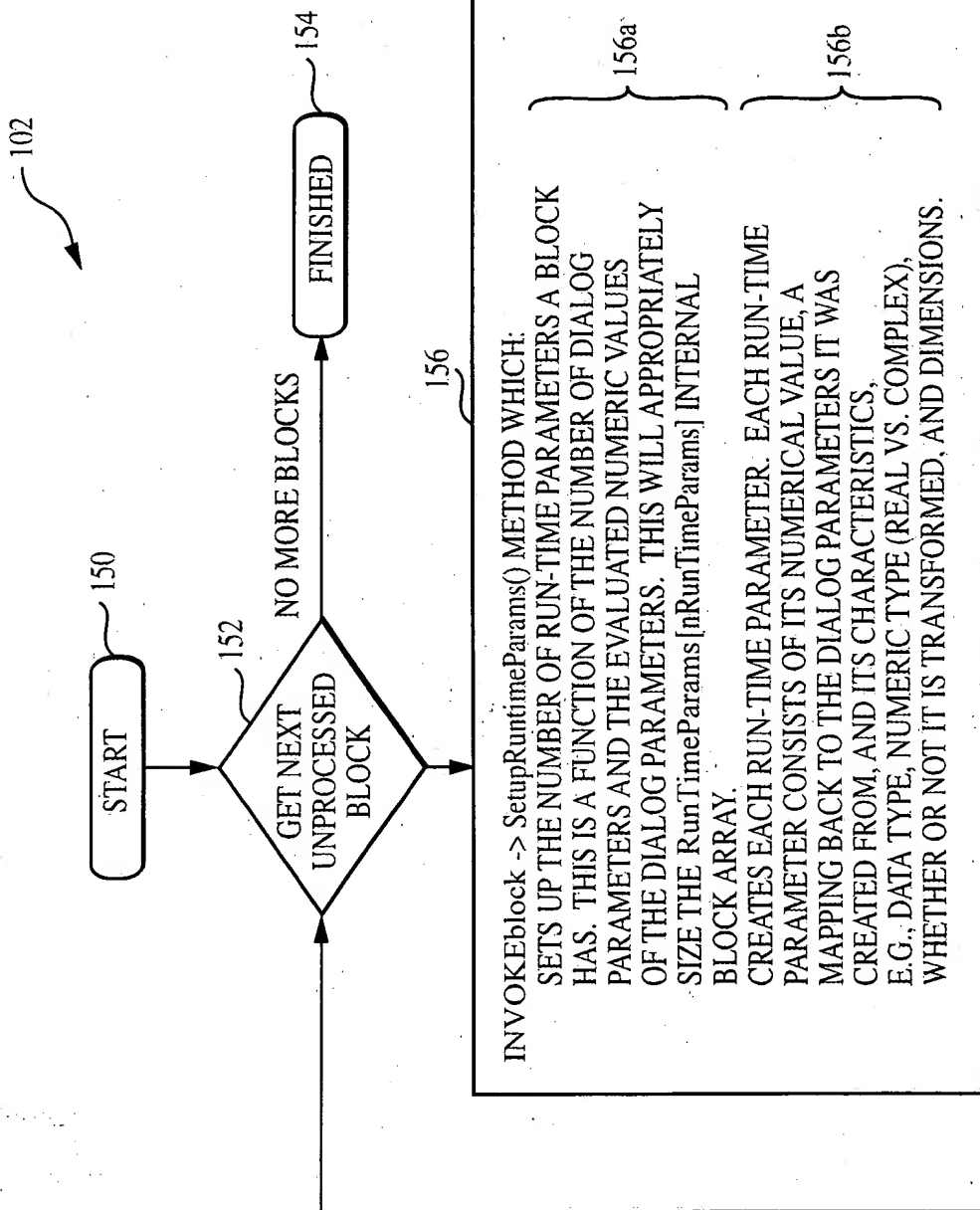
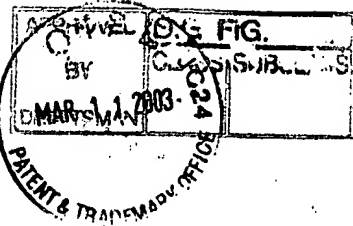


FIG. 11

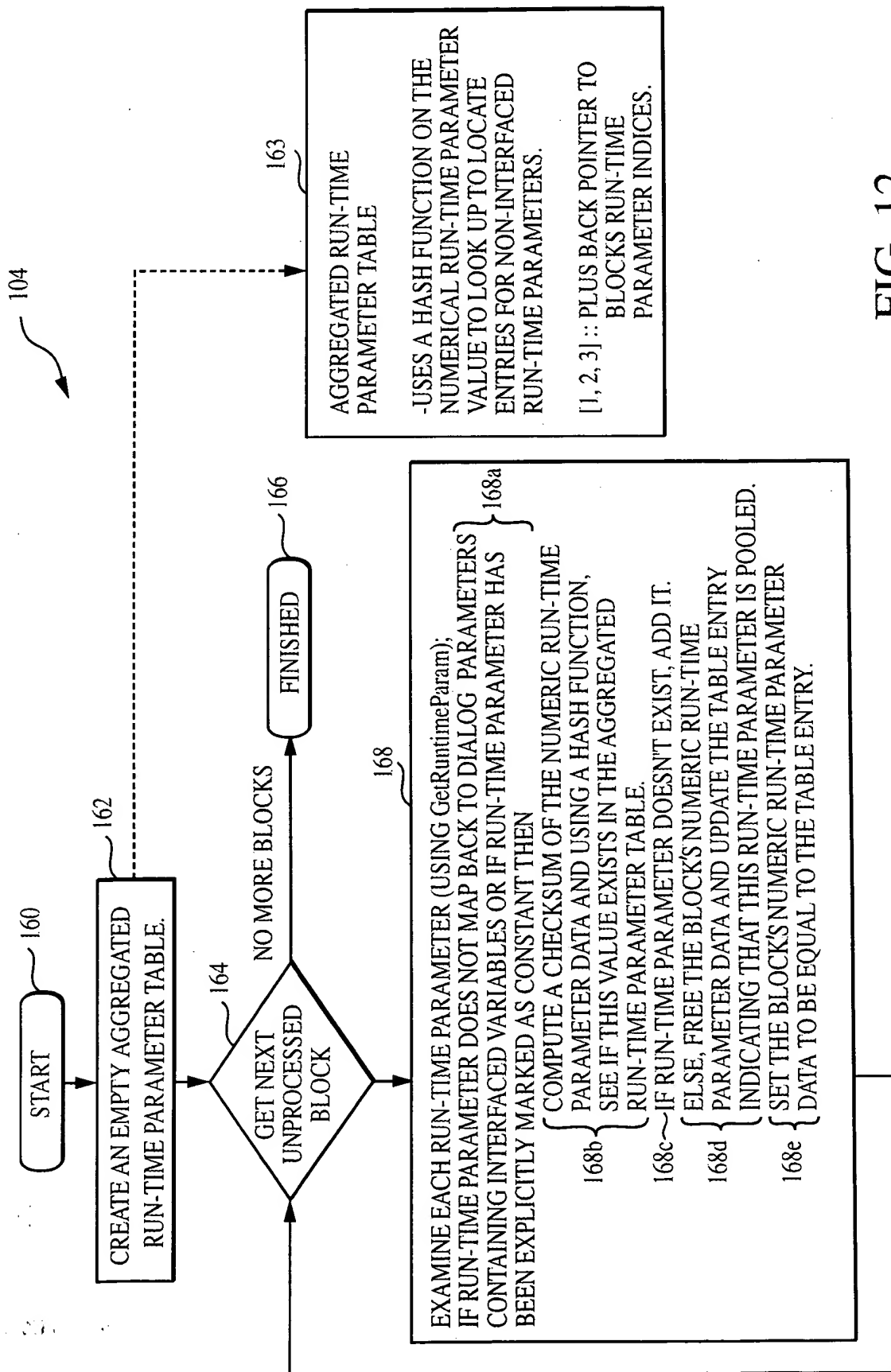
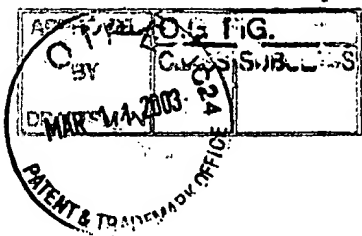


FIG. 12

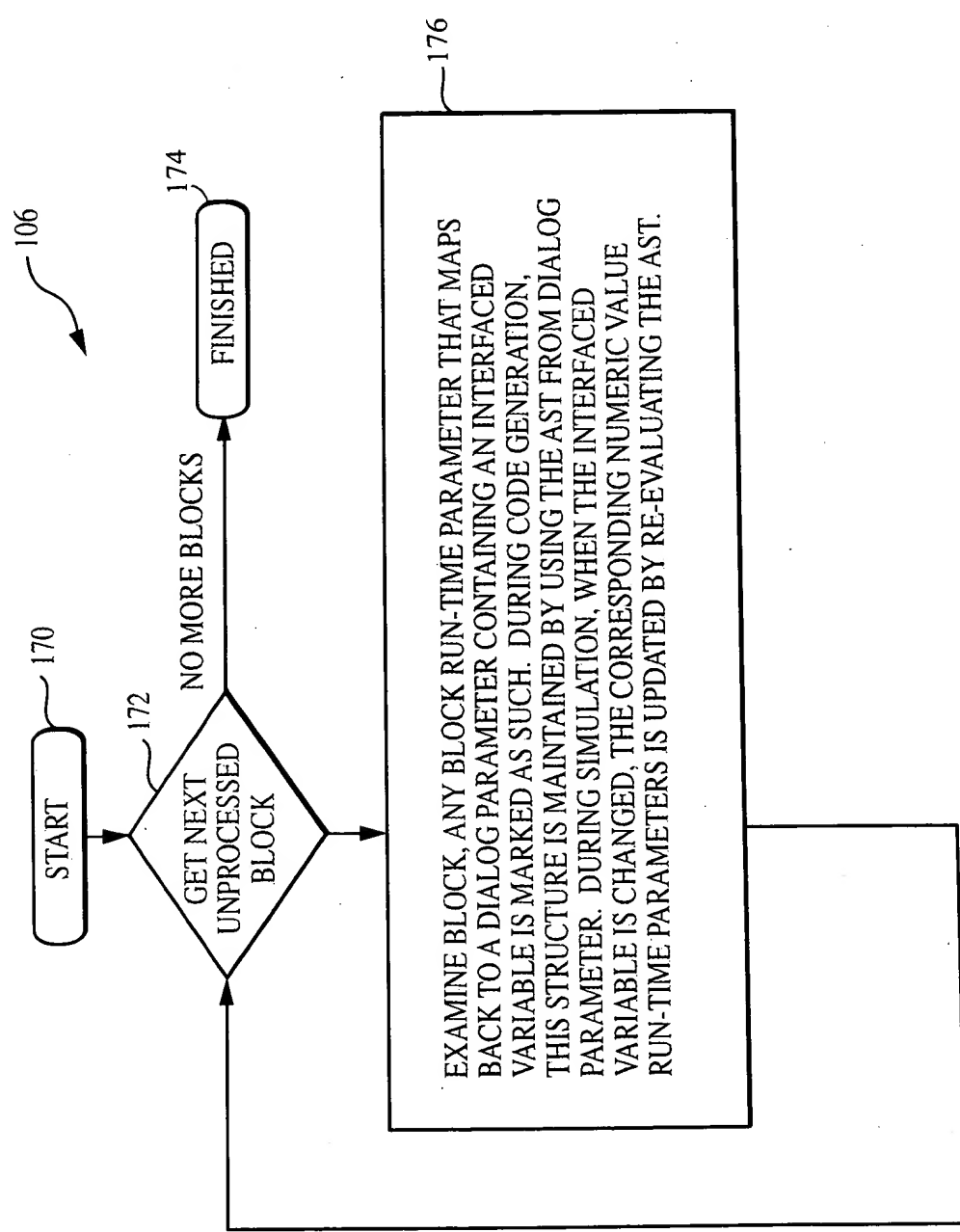


FIG. 13